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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/595,978

05/23/2006

Vesa Ahvenniemi

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EXAMINER

RAO, ANAND SHASHIKANT

ART UNIT

PAPER NUMBER

2482

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/595,978	<b>Applicant(s)</b> AHVENNIEMI ET AL.	
	<b>Examiner</b> Andy S. Rao	<b>Art Unit</b> 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 23 May 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 13-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 18-22, 27 and 28 is/are allowed.
- 6) ☒ Claim(s) 13-17 and 23-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>5/23/06</u> . | 6) <input type="checkbox"/> Other: _____  |

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## **DETAILED ACTION**

### ***Specification***

1. The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

3. Claims 13-17, 23-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Leifeld et al., (hereinafter referred to as “Leifeld”).

Leifeld discloses a method of tail threading in a web-forming machine (Leifeld: column 1, lines 60-67; column 2, lines 1-12), comprising the steps of: forming a threading tail from a web (Leifeld: column 3, lines 33-37); monitoring the formation of the threading tail (Leifeld: column 4, lines 40-45); transferring the tail to a production section of the web-forming machine, the production section having a start and an end (Leifeld: column 4, lines 24-27), the transferring taking place at a draw point which is at the start of the production section (Leifeld: column 5, lines 10-20); monitoring the transfer of the threading tail to the draw point at the start of the production section (Leifeld: column 5, lines 40-55); pulling the threading tail toward a holding point at the end of the production section monitoring the holding point and its environment (Leifeld: column 4, lines 65-68; column 5, lines 1-5); and detecting the threading tail at the holding point and thus determining successful tail threading, wherein the formation of the

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threading tail, the transfer of the threading tail to the production section, and the holding point, are each monitored separately (Leifeld: column 6, lines 30-40), as in claim 13.

Regarding claim 14, Leifeld discloses wherein an additional selected point of the production section of the web-forming machine is monitored (Leifeld: column 6, lines 40-55), as in the claim.

Regarding claims 15-17, Leifeld discloses wherein the tail threading is monitored by forming images, and further comprising the steps of: storing the images so formed with a time-specific image information (Leifeld: column 6, lines 48-52); and displaying said images synchronized with a particular point in the threading tail (Leifeld: column 4, lines 1-6), as in the claims.

Leifeld discloses a method of tail threading in a web-forming machine (Leifeld: column 1, lines 60-67; column 2, lines 1-12), comprising the steps of: forming a threading tail from a web (Leifeld: column 3, lines 33-37); imaging to form first images of the formation of the threading tail with a first camera and storing with a time reference said first images (Leifeld: column 6, lines 45-50); transferring the tail to a production section of the web-forming machine, the production section having a start and an end, the transferring taking place at a draw point which is at the start of the production section (Leifeld: column 4, lines 24-27); imaging to form second images with a camera the transfer of the threading tail to the draw point at the start of the production section and storing with a time reference said second images (Leifeld: column 4, lines 65-68; column 5, lines 1-5); pulling the threading tail toward a holding point at the end of the production section (Leifeld: column 6, lines 30-40); imaging to form third images the holding point and its environment and storing with a time reference said third images (Leifeld: column 3,

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lines 60-68(; displaying on a monitor said first, second and third images, each said image of the images synchronized with a particular point in the threading tail (Leifeld: column 4, lines 1-5); and detecting the threading of the tail in the third images to determine successful tail threading (Leifeld: column 4, lines 15-25), as in claim 23.

Regarding claims 24-26, Leifeld discloses wherein an additional selected point of the production section of the web-forming machine is imaged with a camera to form fourth images and further comprising the step of storing with a time reference said fourth images (Leifeld: column 6, lines 48-52) and displaying on the monitor said four images synchronized with the particular point in the threading tail (Leifeld: column 4, lines 1-6), as in the claims.

***Allowable Subject Matter***

4. Claims 18-22 and 27-28 are allowed.

Independent claims 18 and 27 are directed towards an arrangement and a method in a web forming machine and further recite "...a first production section of the plurality of sequential production sections having a means for cutting a threading tail from the web being formed on the web-forming machine; a second production section of the plurality of sequential production sections following in sequence the first production section, the second production section having a start, and a means for threading a threading tail through the second production section, which means for threading forms a first draw point at the start of the second production section; a means for transferring a threading tail from the first production section to the means for threading of the second production section; wherein the second production section has an end which defines a holding point, to which the means for threading extends; control equipment

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arranged in controlling connection to the means for cutting a threading tail, the means for transferring the threading tail, and the means for threading the threading tail; a first camera device arranged for collecting time-specific image information of formation of a threading tail by the means for cutting a threading tail; a second camera device arranged for collecting time-specific image information of the means for transferring a threading tail at the first draw point; a third camera device arranged for collecting time-specific image information of the holding point; and memory devices connected in image storing relation to the first camera device, the second camera device, and the third camera device for storing time-specific image information collected using the first camera device, the second camera device and the third camera device, the memory devices connected to a display device such that images captured by the first camera device, the second camera device and the third camera device can be displayed in a selected manner...” which are features that are not anticipated nor obvious over the art of record. Dependent claims 19-22 and 28 are allowed for the reasons concerning the independent claims. Accordingly, if rejected claims 13-17, and 23-26 are canceled, the application would be placed in a condition for allowance.

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy S. Rao whose telephone number is (571)272-7337. The examiner can normally be reached on Monday-Friday 9AM-5:30PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on 571-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

asr

/Andy S. Rao/

Primary Examiner, Art Unit 2621

September 28, 2010